

SEP 17 2002

Substitute for form 1-449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(use as many sheets as necessary)*

Sheet

1

Q

2

Application Number

**Complete if Known**

09/823,373

Filing Date

**MARCH 30, 2001**

First Named Inventor

CHAUHAN ET AL.

### Group Art Unit

1637

**Examiner Name**

**FREDMAN, J.**

Attorney Docket Number

BC1032 US NA

## U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)				
N		US -	6,066,490 A	05/23/2000	DuPont	
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				

RECEIVED

SEP 19 2002

TECH CENTER 1600/2

## FOREIGN PATENT DOCUMENTS

[illegible]

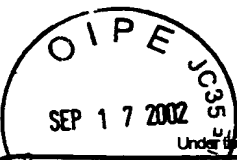
**Examiner  
Signature**

Date Considered

\* **EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the tow-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols asindicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Substitute for form 1015A/PTO  
**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
*(use as many sheets as necessary)*  
Sheet 2 of 2

Complete if Known	
Application Number	09/823,373
Filing Date	MARCH 30, 2001
First Named Inventor	CHAUHAN ET AL.
Group Art Unit	1637
Examiner Name	FREDMAN, J.
Attorney Docket Number	BC1032 US NA

RECEIVED

SEP 19 2002

TECH CENTER, 1600/2900

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
✓		Kobayashi, M., Rhodococcus rhodochrous aliphatic nitrilase gene, complete cds., XP002194942	<input type="checkbox"/>
✓		Gavagan, J. et al., A Gram-negative Bacterium Producing a Heat-Stable Nitrilase Highly Active on Aliphatic Dinitriles", Applied Microbiology and Biotechnology, Springer Verlag, Berlin, DE, Vol. 52, November 1999, pp. 654-659	<input type="checkbox"/>
✓		Keizou Yamamoto et al: "Purification and Characterization of Nitrilase Responsible for the Enantioselective Hydrolysis from Acinetobacter SP. AK 226", Agricultural and Biological Chemistry, Japan Soc. For Bioscience, biotechnology and Agrochem. Tokyo, JP, Vol. 55, No. 6, pp. 1459-1466, 1 June 1991, XP000226135	<input type="checkbox"/>
✓		Novo et al, Pseudomonas Aeruginosa Aliphatic Amidase is related to the Nitrilase/Cyanide Hydratase Enzyme Family and CYS 166 is predicted to be the active site nucleophile of the catalytic mechanism", Febs Letters, Elsevier Science Publishers, Amsterdam, NL, Vol. 367, No. 3, 1995, pp. 275-279, XP000915286	<input type="checkbox"/>
✓		Almatawah et al., Characterization of an inducible nitrilase from a thermophilic bacillus, Extremophiles, Springer Verlag, Tokyo, JP, Vol. 3, No. 4, November 1999, pp. 283-291, XP001062516	<input type="checkbox"/>
✓		Pace et al., The nitrilase superfamily: classification, structure and function, Genome Biology, Vol. 2, No. 1, 15 January 2001, XP001061987	<input type="checkbox"/>
✓		Kobayashi et al., Primary Structure of an aliphatic Nitrile-Degrading Enzyme, Aliphatic Nitrilase, from Rhodococcus rhodochrous K22 and Expression of its Gene and Identification of its Active Site Residue, Biochemistry, 1992, Vol. 31, pp. 9000-9007, XP001062616	<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>

Examiner Signature		Date Considered	10/16
--------------------	--	-----------------	-------

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

O I P E JC76-3436  
JUL 05 2001  
FIRST CLASS

Please type a plus sign (+) inside this box → ☐

PTO/SB/08B (08-00)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO		<b>Complete if Known</b>	
		Application Number	09/823,373
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Filing Date	MARCH 30, 2001
		First Named Inventor	CHAUHAN ET AL.
		Group Art Unit	UNKNOWN
		Examiner Name	UNKNOWN
		Attorney Docket Number	BC1032 US NA
Sheet	2	of	2

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
N		EXTREMOPHILES (1998) 2:207-216	
↓		Kobayashi et al., (Tetrahedron (1990) 46:5587-5590	
		Levy-Schil et al., Gene (1995) 161:15-20	
		Kobayashi et al., Proc. Nat. Acad. Sci. (1993) 90:247	
		Kobayashi et al., J. Biol. Chem. (1992) 267:20746	
		Kobayashi et al., Biochem. (1992) 31, 9000	
		J. Bacteriology (1990) 172:4807-4815	
↓		Nagasawa et al., Appl. Microbiol. Biotechnol. (1993) 40:189-195	
N		Cramp et al., Microbiol (1997) 143:2313-2320	

Examiner Signature		Date Considered	10/1/01
-----------------------	---	--------------------	---------

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.